NO.NC/PMC/YD/2019-20/W3-BNC

Date: 07-01-2020

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work :Improvements of Rcc Drain and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @	Cum	213.97	2	Per 100 cum
2	Providing and laying plain/reinforced cement concrete for side drains using M20	Cum	344.03	7	Per 50 cum
3	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @	Cum	30.28	2	Per 50 cum
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including	Ton	26.68	2	For each dia
5	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made	Nos	1721.00	4	Per 500 Nos

With respect to the above subject & name of the work, we have tested the materials and the Quantity of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

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With Regards,

For Newzen Consultants Bangalore

NC/QC/YD/2019-20/W3-BNC -C1

Date: 11-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.12 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.60 N/Sq mm**	Shall not be less than 27 N/Sqmm

NOTE:- The above tested sample satisfies the requirement of IS: 12269-1987, IS: 8112-1989

Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W3-BNC -PCC1 Date: 11-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20.

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	68.20	0 -20	30- 70
10mm	26.70	0 -5	10- 35
4.75mm	4.10	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	87.35	60-95	75-100	85-100	
01.18	74.10	30-70	55-90	75-100	
600.mic	52.05	15-34	35-59	60-79	
300.mic	17.90	5-20	8-30	12-40	
150mic	6.70	0-10	0-10	0-10	

Note: The above tested sample satisfies the requirement of IS: 383:2002

For Newzen Consultants Bangalore

Proprietor

Page No. 1/1,

NC/QC/YD/2019-20/W3-BNM-C2

Date: 13-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**160 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.14 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.75 N/Sq mm**	Shall not be less than 27 N/Sqmm

Note: The above tested Sample Satisfies the requirement of IS:12269-1987, IS:8112-1989

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W3-BNM-PCC2 Date: 13-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**67.30**	0 -20	30- 70
10mm	**23.50**	0 -5	10- 35
4.75mm	**4.70**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.90**	60-95	75-100	85-100	
01.18	**72.10**	30-70	55-90	75-100	
600.mic	**48.60**	15-34	35-59	60-79	
300.mic	**19.30**	5-20	8-30	12-40	
150.mic	**8.10**	0-10	0-10	0-10	

Hence the above tested sample satisfies the requirement of IS:383:2007

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W3-BNM-C3 Date: 14-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.15 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.03 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**28.78 N/Sq mm**	Shall not be less than 27 N/Sqmm

Note: The above tested sample satisfies the requirement of IS:12269-1987. IS:8112-1989

NEWZEN CONSULTANTS * BANGALORE *

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W3-BNM-PCC3 Date: 14-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20.
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

2. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.35	0 -20	30- 70
10mm	26.90	0 -5	10- 35
4.75mm	3.75	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.45	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.90	60-95	75-100	85-100	
01.18	75.45	30-70	55-90	75-100	
600.mic	44.25	15-34	35-59	60-79	
300.mic	17.90	5-20	8-30	12-40	
150.mic	8.80	0-10	0-10	0-10	

NOK: The above tested Sample satisfies the requirement of IS:383:2007

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For Newzen Consultants Bangalore
Proprietor

NC/QC/YD/2019-20/W3-BNM-C4 Date: 16-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.09 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.14 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3days (average of three results)	**28.35 N/Sq mm**	Shall not be less than 27 N/Sqmm

Note: The above tested sample satisfies the requirement of IS:12269-1987, IS: 8112-1989

Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W3-BNM-FA1 Date: 16-11-2019

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
Ref.: Material testing/PMC/19-20.
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division.
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**97.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**85.15**	60-95	75-100	85-100	
01.18	**74.90**	30-70	55-90	75-100	
600. mic	**46.50**	15.34	35-59	60-79	
300.mic	**22.40**	5-20	8-30	12-40	
150.mic	**6.90**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**18.78 %**	-----
2	Silt Content	----	**0.56%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

Note:- The above sample satisfies the requirement of IS:383:2002

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W3-BNM-CA1 Date: 16-11-2019

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20.

Report Required for: Assistant Executive Engineer.
Yelahanka Satellite Town Sub Division.
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.55	85-100	90 - 100
10 mm	48.90	0 - 20	25 - 55
4.75 mm	3.60	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.48 %	Not to exceed 25 %
2.	Crushing value	27.65 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

Note: The above tested sample satisfies the requirement of IS: 383:2007

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For Newzen Consultants Bangalore

Proprietor